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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	IB-1632
First Inventor	Ronald P. Reade et al.
Title	PARTICLE BEAM BIAxIAL ORIENTATION..
Express Mail Label No.	EK340215250US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 29]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
- Oath or Declaration— [Total Pages 2]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____ / _____

Prior application information

Examiner _____

Group Art Unit. _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

or ☒ Correspondence address below

Name	John P. Taylor				
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Name (Print/Type)	John P. Taylor	Registration No. (Attorney/Agent)	22,369
Signature	<i>John P. Taylor</i>	Date	12/15/00

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FEE TRANSMITTAL**for FY 2000**

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$)

601.00

Complete if Known

Application Number	To be assigned
Filing Date	Herewith
First Named Inventor	Ronald P. Reade et al.
Examiner Name	Unknown
Group / Art Unit	Unknown
Attorney Docket No.	IB-1632

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge ~~the~~ fees and credit any overpayments to additional

Deposit Account Number 20-0092

Deposit Account Name

☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
101 500	201 355	710	355	Utility filing fee	355
106 310	206 155			Design filing fee	
107 480	207 240			Plant filing fee	
108 690	208 345			Reissue filing fee	
114 150	214 75			Provisional filing fee	

SUBTOTAL (1) (\$) 355

2. EXTRA CLAIM FEES

Total Claims		Extra Claims		Fee from below		Fee Paid	
34	-20**	14	X	9	=	126	
6	-3**	3	X	40	=	120	
Multiple Dependent				135	=	0	

**or number previously paid, if greater; For Reissues, see below

Large Entity		Small Entity		Fee Description
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	
103 18	203 9			Claims in excess of 20
102 20	202 10			Independent claims in excess of 3
104 200	204 100			Multiple dependent claim, if not paid
109 78	209 39			** Reissue independent claims over original patent
110 18	210 9			** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 246

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
105 130	205 65			Surcharge - late filing fee or oath	
127 50	227 25			Surcharge - late provisional filing fee or cover sheet	
139 130	139 130			Non-English specification	
147 2,520	147 2,520			For filing a request for reexamination	
112 920*	112 920*			Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*			Requesting publication of SIR after Examiner action	
115 110	215 55			Extension for reply within first month	
116 380	216 190			Extension for reply within second month	
117 870	217 435			Extension for reply within third month	
118 1,360	218 680			Extension for reply within fourth month	
128 1,850	228 925			Extension for reply within fifth month	
119 300	219 150			Notice of Appeal	
120 300	220 150			Filing a brief in support of an appeal	
121 260	221 130			Request for oral hearing	
138 1,510	138 1,510			Petition to institute a public use proceeding	
140 110	240 55			Petition to revive - unavoidable	
141 1,210	241 605			Petition to revive - unintentional	
142 1,210	242 605			Utility issue fee (or reissue)	
143 430	243 215			Design issue fee	
144 580	244 290			Plant issue fee	
122 130	122 130			Petitions to the Commissioner	
123 50	123 50			Petitions related to provisional applications	
126 240	126 240			Submission of Information Disclosure Stmt	
581 40	581 40			Recording each patent assignment per property (times number of properties)	
146 690	246 345			Filing a submission after final rejection (37 CFR § 1.129(a))	
149 690	249 345			For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

Name (Print/Type)	John P. Taylor	Registration No. (Attorney/Agent)	22,369	Telephone	(909) 699-7551
Signature	John P. Taylor	Date	12/15/00		

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.